

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE January 20, 1960

Operator El Paso Natural Gas		Lease Rincon Unit No. 126 (M)	
Location 8008, 1850W; 27-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7	Set At: Feet 7718	Tubing Diameter 1-1/4	Set At: Feet 5525
Pay Zone: From 5364	To 5506	Total Depth c/o 7670	Shut In 12/31/59
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, Inches .75		Choke Constant, C 12.365	
Shut-In Pressure, Casing, PSIG 1096	PSIA 1108	Days Shut-In 20	Shut-In Pressure, Tubing, PSIG 1100
Flowing Pressure: P, PSIG 92	PSIA 104	Working Pressure: P _w , PSIG 98	PSIA 110
Temperature: T, °F 48	n 1.0117	E _{pv} (From Tables) 1.012	Gravity .708
F _g .9225			

Initial SIPT (D) = 2328

Baker Model "D" packer at 7200

Final SIPT (D) = 2339

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 104 \times 1.0117 \times .9225 \times 1.012 = 1215$$

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1236544}{1224444} \right)^n$$

$$1.0098^{.75} \times 1215 = 1.0073 \times 1215$$

$$A_{of} = 1224 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY

Checked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway